

ABSTRACT OF THE DISCLOSURE

Two end plates of a stator core are made of a metal material to increase their rigidity and thereby hold, in a prescribed shape, generation coils that are wound on teeth of the stator core. To increase the insulation between the generation coils and the teeth, the circumferential width of a first portion, extending in the radial direction, of each of the end plates is made smaller than that of a corresponding first portion of a laminated core. At least a second portion of at least one of the two end plates is made of a non-magnetic metal material, whereby the magnetic loss is reduced and the temperature characteristic and the power generation characteristic are improved.